ABSTRACT

A system for testing a software client or hardware module in a voice-over-IP (VoIP) network path includes a VoIP client, a test tool, and an analyzer. The VoIP client, connected to the VoIP network, makes a series of calls to a destination. The calls activate the software client or hardware module under test. The test tool, which has access to the network, plays a series of audio files over the VoIP during the calls. The test tool also polls the software client or hardware module over the network for status information after the calls are completed. While the audio files are being played, the analyzer records the audio files at the destination for measurement the quality of the calls. Accordingly, the quality of voice connection on the VoIP network can be measured, and specific components on the network can be tested.

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